

## CLAIM AMENDMENTS

Claims 1-6. (Canceled)

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7. (Currently Amended) An apparatus comprising:  
an electrical contact on a substrate;  
a dielectric on the contact, the dielectric having an opening exposing the contact,  
wherein the dimensions of the opening expose a first contact area of the contact, the apparatus  
further comprising a spacer within the opening on the contact, the spacer exposing a second  
contact area of the contact having dimensions less than the first contact area;  
a programmable material formed within the opening, the programmable material  
formed on the second contact area of the contact; and  
a conductor electrically coupled to the programmable material.

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8. (Canceled)
9. (Original) The apparatus of claim 7, further comprising:  
a barrier material between the programmable material and the conductor.
10. (Original) The apparatus of claim 7, further comprising:  
a signal line in contact with the contact; and  
an isolation device between the contact and the signal line.

11. (Previously Amended) The apparatus of claim 7, wherein said dielectric includes  
a first portion over said substrate, an aperture in said first portion, and a sidewall spacer aligning  
said aperture, the interior of said sidewall spacer forming said opening.

12. (Previously Amended) The apparatus of claim 7, wherein the programmable  
material includes a chalcogenide.

Claims 13-18. (Canceled)

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